Application/Control No. Applicant(s)/Patent under Reexamination Index of Claims 10/625,941 KIM, JAE KWAN Examiner **Art Unit Basil Katcheves** 3635 (Through numeral) Rejected Non-Elected Appeal Cancelled = Allowed Restricted Interference 0 Objected Claim Claim Date Claim Date Date

| Claim | | | | | | _ | Claim | | Date | | | | | Claim | | Date | | | | | | | | | | |
|--|----------|----------------|-------------------|-----------------|--|--|-----------------|------------------------|----------|--|----------------|-----------------|------------------|--|-----------------|----------------|-------------|----------|---------------|---------|--------------|---------------|-----------------|--------------------|---------------|-----------|
| Final | Original | 50/27/0 | | | | | | Final | Original | | | | | | | | Final | Original | | | | | | | | |
| | 1 | | | | | | | | 51 | | | | | | | | | 101 | | \top | 1 | | | | \Box | \neg |
| | 4 | | | | | | 7 | | 52 | | | | | | | 7 | | 102 | | \top | 1- | 1 | | | \top | ᅱ |
| | 3 | | 111 | | | 1 | - ::::: | | 53 | | _ | | | | | ┨ | | 103 | \dashv | _ | + | ╁ | \vdash | $\overline{}$ | \dashv | ᅱ |
| | 4 | | | | - | 1-1- | - | | 54 | | + | | - | - | | - | | 104 | | | | +- | | - | + | ᅱ |
| | 5 | | | | | | - :::: | | 55 | | | - | | + | | | | | - | { | +- | | | | | \dashv |
| | 6 | | +++ | | | + + | | | | | | \vdash | | + | - | \dashv | | 105 | \vdash | | | | \vdash | \rightarrow | $-\!\!\!+$ | - |
| | | | + | | | ╂ | - :::: | | 56 | | - | \vdash | _ | + | \vdash | | <u> </u> | 106 | | \perp | | ↓_ | L | \vdash | \dashv | 4 |
| | 7 | | | | | | - | | 57 | | | $\vdash \vdash$ | | - | | | | 107 | | | | _ | | $oldsymbol{\perp}$ | | _ |
| | 8 | | | | | | 4:::: | | 58 | | | $\vdash \vdash$ | | — | | _ | | 108 | | \perp | <u> </u> | | Щ | | | _ |
| | 9 | <u> </u> | | | | | _ | | 59 | | | \sqcup | | 1 | | _ | | 109 | | \perp | \perp | | | | \perp | |
| | 10 | | \bot | | | <u> </u> | _ | | 60 | | | | _ | | | | | 110 | | _1 | | | | | | |
| | 11 | | | | | | | | 61 | | | | | | | | | 111 | | | A | | | | | ٦ |
| | 12 | | | | | | | | 62 | | | | | | | 7 | | 112 | • | | | | | | | |
| | 1β | | | | | | 7:::: | | 63 | | \top | | | | 1 | | | 113 | \Box | \top | \top | | | \Box | _ | \dashv |
| | 1/4 | | $\neg \neg \neg$ | | | | 7 | | 64 | | | | _ | | | - | | 114 | | | _ | 1 | \vdash | \dashv | _ | 닉 |
| | 15 | | $\dashv \dashv$ | | | | ┧;;;; | \vdash | 65 | - | _ | \vdash | + | 1 | | - | - | 115 | - | + | + | + | \vdash | \rightarrow | + | ᅱ |
| - | 16 | | ++ | | | | | | 66 | \vdash | - | | | | $\vdash \vdash$ | ⊣ ∷∷ | | 116 | - | + | + | + | $\vdash\vdash$ | | + | \dashv |
| | 17 | - | ++ | | | + | | | | | +- | $\vdash \vdash$ | + | + | - | | | | | _ | + | - | $\vdash\vdash$ | | \dashv | 4 |
| | _ | \vdash | | + | | ++ | - :::: | <u> </u> | .67 | | | ├ ──┼ | \dashv | + | | - | | 117 | | + | - | \vdash | \vdash | | \dashv | \dashv |
| | 18 | \vdash | \dashv | | | + | 4 | | 68 | | | \sqcup | | ╄ | | _ | | 118 | \perp | \perp | | ↓_ | | \longrightarrow | \dashv | _ |
| | 19 | | | | | \bot | _ | | 69 | | | \sqcup | | | | _ | | 119 | \perp | | | | | | \perp | 旦 |
| | 20 | | \bot | _ | | | | | 70 | | | | | | | | | 120 | | | | | | | \perp | |
| | 21 | | \perp | | | | | | 71 | | | | | | | | | 121 | | | | | | | | \Box |
| | 22 | | | | | | | | 72 | | | | | | | | | 122 | | | | | | | | \neg |
| 2 | 23 | | | | | | | | 73 | | | | | | | 7 | | 123 | | | | 1 | | | \neg | ヿ |
| | 24 | | | | | | ::::: | | 74 | | | | | 1 | | | | 124 | | | | 1 | | | _ | ᅥ |
| | 25 | | | | | | 7 | | 75 | | 1 | | $\neg \vdash$ | | | | | 125 | | 1 | _ | | | \dashv | \dashv | ᅥ |
| | 26 | | | | | | ∃ !!!!! | | 76 | | | | | 1 | | ┦!!!! | | 126 | | +- | + | + | | \rightarrow | \dashv | ⊣ |
| | 27 | | | | | | - | | 77 | | + | - | - - | + | | | | 127 | | + | ╅ | ╁ | \vdash | \dashv | + | \dashv |
| | 28 | | - | | | | ⊣ ∷∷∷ | | 78 | | + | | + | \vdash | - | | | \vdash | - | | + | \vdash | | \dashv | \dashv | \dashv |
| | 29 | | + | | | + + | - | | | - | | - | | | | ⊣ ::::: | | 128 | - | | - | \vdash | | \rightarrow | \dashv | \dashv |
| | _ | - | - | \dashv | | - | - | | 79 | | - | \vdash | - | | _ | - | | 129 | _ | | - | ├ ─ | \square | - | | 4 |
| | 30 | | \dashv | | | | - | | 80 | - | | | \rightarrow | - | | _ | | 130 | | | | ↓ | | \rightarrow | | _ |
| | 31 | | | | | | _::::: | | 81 | | | | | \perp | | _ :::: | | 131 | | | | <u> </u> | | | | Ц |
| | 32 | | _ | | | $\bot \bot$ | - | | 82 | | | | | | | | | 132 | | | | | | | | |
| | 33 | igspace | \bot | | | | | | 83 | | | | | | | | | 133 | | | | | | | | |
| | 34 | | | | | | | | 84 | | | | | | | | | 134 | | | | | | | | |
| | 35 | | | | | | | | 85 | | | | | | | | | 135 | | | | | | | \top | \exists |
| | 36 | | | | | | | | 86 | | | | _ | | | | | 136 | | 1 | \top | | | | \dashv | ヿ |
| | 37 | | 7 | | | | | | 87 | | $\neg \neg$ | | | \sqcap | | - | | 137 | | \top | _ | | | \dashv | \dashv | \dashv |
| | 38 | | 77 | | | | | | 88 | | 1 | | \dashv | 1 | \vdash | - | | 138 | $\neg \vdash$ | + | + | 1 | | + | | \dashv |
| | 39 | | 1-1 | \dashv | - | \vdash | | | 89 | | | \vdash | + | + | | - | - | 139 | \dashv | + | + | - | $\vdash \dashv$ | - | + | \dashv |
| | 40 | | - | _ | - | | - | \vdash | 90 | | - | | | 1-1 | | :::: | | 140 | | + | | - | \vdash | | + | \dashv |
| | 41 | | 1-1 | $\dashv \dashv$ | | | | $\vdash \vdash \vdash$ | 91 | | - | + | | ╁┈┤ | | - | | + | \dashv | + | | - | \dashv | | - | 긕 |
| - | | | + | \dashv | | | | | | | +- | - | | ╁┼┤ | | - | | 141 | \dashv | + | | - | \square | | + | 4 |
| | 42 | - | + | | <u> </u> | | _ | | 92 | | - | $\vdash \vdash$ | | | | | | 142 | \rightarrow | | | _ | \square | | | _ |
| | 43 | | +++ | _ | | - | - | \vdash | 93 | | | | | \sqcup | | _ | | 143 | \perp | | | <u> </u> | | \bot | | \Box |
| | 44 | | \dashv | | | |]::::: | | 94 | \perp | | | \bot | | | | | 144 | \perp | 1 | | | | | \perp | |
| | 45 | | $\bot \! \! \bot$ | | | <u> </u> | | | 95. | | | | | | | | | 145 | | | | | | | | |
| | 46 | | | | | | _ | | 96 | | | | | | | | | 146 | | | | | | | | ヿ |
| | 47 | | | | | | | | 97 | | | | | | | 7 | | 147 | | | | | | | \neg | コ |
| | 48 | | | | | | | | 98 | | | | \neg | | |] | | 148 | $\neg \vdash$ | \top | _ | | \Box | \dashv | \dashv | ヿ |
| | 49 | | | | | | | | 99 | | 1- | \neg | 1 | | | 7 | | 149 | | +- | \top | | | | + | \dashv |
| | 50 | | 7-1 | \neg | | | 7 | | 100 | _ | _ | - | _ | ╁┼┤ | | | | 150 | | + | + | \vdash | $\vdash \vdash$ | \dashv | | \dashv |
| | - + - | | | | | | اا | | 100 | | | | | 1 | | ::::: | | [IOU] | | | | | | Ш | | |